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SECRETARY OF STATE

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PETERS SHORTHAND REPORTING CORPORATION (916) 362-2345

APPEARANCES

PANEL MEMBERS

Ms. Debbie O'Donoghue, Moderator, Deputy Secretary, Voter Education & Outreach Services

Mr. Robbie Anderson, Staff Counsel, Election's Division

Mr. Chris Maio, Infrastructure Manager

Mr. Bruce McDannold, Senior Information Systems Analyst

Mr. Chris Reynolds, Deputy Secretary, HAVA Activities

STAFF

Mr. Ryan Macias, Voting Systems Analyst

ALSO PRESENT

Mr. John Arntz, City and County of San Francisco

Mr. Paul Craft, Freeman, Craft, McGregor Group

Mr. Chuck O'Neil, Californians for Electoral Reform

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1 PROCEEDINGS

2 MODERATOR O'DONOGHUE: Okay. We'll go ahead and  
3 get started. Everybody can hear me okay?

4 Great.

5 Well, thank you for coming. My name is Debbie  
6 O'Donoghue. I'm a Deputy Secretary of State for Voter  
7 Education and Outreach Services, and I'll be moderating  
8 the proceedings today.

9 This public hearing is designed to discuss the  
10 proposed approval of Sequoia Voting Systems System 4.0  
11 with Ranked Choice Voting capability.

12 Let me take a moment and take care of some  
13 housekeeping items. For those of you in the audience who  
14 would like to speak during the public comment period,  
15 there are sign-in cards at the table at the entrance of  
16 the auditorium. We'll take speakers in the order in which  
17 they have signed in. Each person speaking under public  
18 comment will be allotted 3 minutes for our presentation.  
19 Anyone who wishes to submit written testimony can do so by  
20 delivering a hard copy today or by Emailing an electronic  
21 copy to [votingsystems@sos.ca.gov](mailto:votingsystems@sos.ca.gov). We'll post the written  
22 testimony we receive on the Secretary of State's website.

23 This hearing is being taped for broadcast and is  
24 also being transcribed. All comments made verbally or in  
25 writing as part of this hearing are a matter of public

1 record.

2           Please be courteous to all speakers. No  
3 interruptions will be tolerated.

4           The goals of this hearing are to:

5           Hear the Sequoia Voting System testing reports  
6 presented publicly; give Sequoia and the public an  
7 opportunity to comment publicly on the reports; and  
8 collect information from Sequoia and the public that may  
9 help inform the Secretary of State's decision on whether  
10 to approve the Sequoia Voting System 4.0 voting system.  
11 The Secretary of State will be reviewing the information  
12 and testimony provided by the public, the county, the  
13 vendor and others prior to taking action on this approval  
14 request.

15           The panel that's here today won't be voting or  
16 deciding whether to adopt the report nor will they be  
17 commenting on the report's findings or expressing opinions  
18 on what the Secretary of State may do or should do as a  
19 result of the findings in this report.

20           Rather, the panel is here to formally receive the  
21 verbal report from the State's outside consultants,  
22 receive comments from the voting system vendor and the  
23 public and bring a variety of perspectives to the issues  
24 raised in the reports, so that the panel may present that  
25 to the Secretary when it comes time for her to review and

1 analyze all of the information that's being collected.

2           The panel members here today, seated to my  
3 immediate right are Bruce McDannold, Senior Information  
4 Systems Analyst; Chris Maio, Infrastructure Manager for  
5 the Secretary of State's Information Technology Division,  
6 Chris Reynolds, Deputy Secretary of State for HAVA  
7 Activities; and Robbie Anderson, counsel for the Secretary  
8 of State's Elections Division.

9           Delivering the staff report will be Ryan Macias  
10 of the Office of Voting Systems Technology Assessment and  
11 delivering the State consultant reports will be Paul Craft  
12 of Freeman, Craft, McGregor Group.

13           After the reports are presented, Sequoia will  
14 have an opportunity to provide comments and we will then  
15 move on to the public comment period.

16           And with that I'd like to introduce Ryan Macias.

17           VOTING SYSTEMS ANALYST MACIAS: Good afternoon.  
18 My name is Ryan Macias. I am a Voting Systems Analyst  
19 with the Secretary of State's Office of Voting Systems  
20 Technology Assessment, also known as OVSTA. I will be  
21 presenting the staff report to you today.

22           Let me begin with a summary of the Sequoia Voting  
23 System's System 4.0 with Ranked Choice Voting capability,  
24 also referred to as RCV. RCV is a ballot structure for  
25 single-winner contests, used in several electoral systems

1 in which voters rank a list of candidates in order of  
2 preference.

3           Sequoia's System 4.0 voting system is comprised  
4 of the following 6 components:

5           WinEDS version 4.0.116;

6           WinEDS Extended Services version 1.0.47;

7           WinEDS Election Reporting version 4.0.44;

8           The Optech Insight Plus with HPX version  
9 K1.44.080501.1500, and APX version K2.16.080626.1320;

10           Memory Pack Reader, also known as MPR, version  
11 3.01.080422.0522;

12           The 400-C Central Scanner with WinETP 1.16.6.

13           WinEDS is a software application used for  
14 managing an election. It is used to define and configure  
15 an election, format ballot layouts, programming memory  
16 cartridges, tallying and reporting election results and  
17 performing post-election operations.

18           WinEDS Extended Services provides additional  
19 functions to the WinEDS application. During the State of  
20 California testing OVSTA staff and consultants configured  
21 the system with 2 snap-in modules, Database Manager and  
22 Ranked Choice Voting.

23           Database Manager enables the jurisdictions to  
24 perform several administrative tasks, such as profile and  
25 election database backups, profile and election database

1 restoration and profile database copying. The RCV module,  
2 within WinEDS extended services, creates an interface to  
3 manage the RCV process and deliver reporting capabilities.

4 WinEDS Election Reporting is an independent  
5 application to manage reports and flat file exports that  
6 are not available directly through WinEDS. It allows  
7 jurisdictions to produce reports while running the  
8 election night tally.

9 The Optech Insight Plus also referred to as just  
10 the Insight, is a precinct based optical scan voting  
11 system used to cast and tabulate ballots in the polling  
12 place. There are 2 systems residing in and controlling  
13 the functions of the Insight. The Hardware Program System  
14 or HPX and the Application Program System or APX.

15 The HPX and APX form a complete self-contained  
16 closed application. The HPX system performs a validity  
17 check on the hardware and verifies that a ballot is not  
18 present in the ballot path. The APX verifies the vote  
19 totals.

20 Memory Pack Reader is a desktop device that burns  
21 ballot definition data for a specific election onto, and  
22 transfers election results from the Insight Memory Packs  
23 into WinEDS database.

24 The 400-C is a high-speed, high-volume scanner  
25 typically used for tabulating vote-by-mail ballots. In an

1 RCV election the 400-C is used to resolve write-ins. If a  
2 voter votes for a write-in candidate in an RCV race, the  
3 Insight out-stacks the particular ballot and does not  
4 tabulate any of the votes on that ballot.

5           During the canvass, the jurisdiction using the  
6 system tabulates the ballot containing the write-in with  
7 the 400-C and manually resolves the write-in candidates.

8           Sequoia Voting Systems System 4.0 has not  
9 completed federal qualification testing to the Federal  
10 2002 Voting System Standards. This system is currently in  
11 the Election Assistance Commission, also known as EAC,  
12 Voting Systems Certification Program.

13           However, OVSTA staff has received a letter from  
14 iBeta Quality Assurance, an EAC accredited voting systems  
15 testing laboratory, stating that it has successfully  
16 completed the functional testing of the Sequoia Voting  
17 System WinEDS version 4.0 with WinETP and San Francisco  
18 RCV. Under California law Elections Code Section  
19 19250(a), the Secretary of State of California shall not  
20 approve a direct recording electronic (DRE) voting system  
21 unless the system has received federal qualification. The  
22 Sequoia System 4.0 does not include a DRE. Therefore,  
23 federal qualification is not required prior to State  
24 approval. In addition, the Sequoia System 4.0 does not  
25 include an accessible device for voters with disabilities.

1 If the Secretary of State approves the Sequoia System 4.0,  
2 a jurisdiction approved to use System 4.0 would need to  
3 request authorization to use a blended system that  
4 incorporates a previously approved accessible voting  
5 device under California Elections Code 19213.

6 Before I begin with the results of the State  
7 testing, let me first begin by saying that this  
8 examination did not include the following components:

9 Volume test, red team penetration testing,  
10 building the election definition, and conducting a State  
11 primary election.

12 This was a conscious decision made by our office  
13 due to the fact that all hardware components of the system  
14 just concluded the top-to-bottom review. In addition, due  
15 to time constraints, it would have been impossible or  
16 nearly impossible to have OVSTA and consultants spend one  
17 week building the election definition and then have the  
18 vendor print and mark ballots to those specifications for  
19 the functional test.

20 Only the standard State general test election  
21 definition was used in this test. Prior to use in a  
22 primary election, OVSTA and consultants will need to test  
23 2 specifications and requirements for a primary election  
24 set forth in California Elections Code.

25 State examination and functional testing of the

1 system was conducted by Secretary of State's OVSTA staff  
2 in conjunction with State's technical consultants, Mr.  
3 Paul Craft and Ms. Kathleen McGregor, at the Secretary of  
4 State's Office, 1500 11th Street, Sacramento, California,  
5 from August 18th through August 22nd, 2008.

6           Testing of the Sequoia System 4.0 was completed  
7 successfully. During that testing, OVSTA staff and  
8 consultants built the entire voting system beginning with  
9 only the hardware, utilizing Sequoia's documentation and  
10 specifications as we do in all functional tests. Prior to  
11 running ballots, the last task performed in the system was  
12 the burning and configuring of the media for Insight and  
13 400-C. Sufficient ballots were processed for the standard  
14 State general test election contest to verify features of  
15 the system, as well as to test the system's capability to  
16 conduct elections in accordance with California law.

17           In addition to the standard State general test  
18 election, we tested the logic and capability to conduct an  
19 RCV election according to the specifications set forth in  
20 the San Francisco City Charter.

21           I'm not going to go into each and every finding  
22 that was noted in testing, but they are listed in the full  
23 staff and consultant's reports on the Secretary of State's  
24 website. However, I will let you know that all issues  
25 noted in testing have been resolved in either the use

1 procedures and/or a work-around has been tested, verified  
2 and approved.

3 Secretary of State hired Freeman, Craft, McGregor  
4 Group for security testing. They subcontracted with Atsec  
5 Information Security Corps to perform a source code review  
6 on Sequoia's System 4.0. Atsec compared the source code  
7 for System 4.0 to the code that was tested in the  
8 top-to-bottom review WinEDS 3.1.012 to determine if the  
9 issues in the prior version have been resolved.

10 System 4.0 has 2 new modules, WinEDS Extended  
11 Services and WinEDS Election Reporting that were not  
12 previously reviewed. Atsec conducted a thorough review of  
13 the code for these 2 new modules.

14 In addition, Atsec was asked to verify that the  
15 issue discovered in Washington State's testing of an  
16 earlier version of the Sequoia RCV system has been  
17 resolved in the version tested by California. Because  
18 Paul Craft from Freeman, Craft, McGregor is here, I will  
19 let him go into the details and findings from the Atsec  
20 report.

21 Therefore, based on the testing conducted and the  
22 review of Sequoia Voting Systems System 4.0 with RCV  
23 capability, as described above, OVSTA recommends that the  
24 Secretary of State approve the system with the 30  
25 conditions outlined in the full staff report viewable on

1 the Secretary of State's website at [www.sos.ca.gov](http://www.sos.ca.gov). These  
2 conditions are similar to the conditions placed on the  
3 already approved Sequoia Voting System that went through  
4 the top-to-bottom review WinEDS 3.1.012.

5 Because Sequoia has not substantially improved  
6 security from that system to this system, OVSTA recommends  
7 that the Secretary of State impose similar conditions.

8 Thank you.

9 MODERATOR O'DONOGHUE: Thank you. Are there any  
10 questions from the panel?

11 Thank you.

12 VOTING SYSTEMS ANALYST MACIAS: Thank you.

13 MODERATOR O'DONOGHUE: Now, I'd like to introduce  
14 Paul Craft.

15 MR. CRAFT: Good afternoon. And let me get this  
16 a little higher.

17 There. Can you hear me?

18 I'm Paul Craft one of the partners in the  
19 Freeman, Craft, McGregor Group.

20 As Mr. Macias stated, we assisted the Office of  
21 Voting System Technology Assessment in the functional  
22 testing and security analysis of Sequoia Voting Systems --

23 MODERATOR O'DONOGHUE: Sorry, you might want to  
24 bring it a little bit closer.

25 MR. CRAFT: Okay -- in the functional testing and

1 security analysis of the Sequoia Voting System System 4.0.

2 Our functional testing report and the source code  
3 review report prepared by Atsec have been carefully  
4 written to accurately present our findings. I'm here to  
5 introduce the report and answer any questions about them.

6 I really don't presume to expand on the reports  
7 or restate any of the findings. And accordingly, if you  
8 perceive a conflict between any of my statements today and  
9 the actual content of the reports, I think you should give  
10 preference to the content of the reports.

11 In our report on functional testing of the  
12 system, there are really 4 significant findings. First of  
13 these is that the system successfully processed and  
14 tabulated all of the test ballots, including the ranked  
15 choice contest with no tabulation errors. All tabulated  
16 totals matched the expected results for the test. The  
17 test election did everything that we could to approximate  
18 the complexity of an election similar to what San  
19 Francisco will most likely run in November.

20 It also included 12 different test cases for the  
21 ranked choice voting, exercising conditions of ties,  
22 multiple ties and other conditions which you might expect  
23 to logically trip up the ranked choice algorithm. As I  
24 said, the system tabulated all those ballots as expected  
25 with 0 errors.

1           In regards to the anomaly tested or discovered  
2 during testing in Washington State earlier this year, this  
3 was an anomaly where ballot images were not erased from  
4 the memory pack and the system gave a false 0 report when  
5 it restarted for the next cycle and could bring those  
6 ballot images into a subsequent tabulation.

7           That issue appears to have been mitigated in this  
8 version of the system. We verified that both through our  
9 functional testing and through the Atsec source code  
10 review.

11           For functional testing, we actually replicated  
12 the anomaly that had been experienced in Washington State  
13 using the same version of the firmware that they used when  
14 they encountered the error. We then attempted to bring  
15 the data from that memory pack into the current version of  
16 WinEDS. WinEDS has an edit check on the data, which  
17 detected the fact that there were a different number of  
18 ballot images from the tabulated totals on the memory pack  
19 and rejected the pack.

20           Secondly, we then attempted to replicate the  
21 error with a new version of the firmware and were unable  
22 to do so. One of the findings in the Atsec report is they  
23 found changes in the source code of the Insight device  
24 that basically verified that the totals had been cleared  
25 and the operation had been successful. So that verified

1 that fix, both in functional level and in the source code  
2 review.

3           We then found 2 additional unexpected errors. We  
4 encountered an unmanaged error condition, which ended the  
5 process of the extended services part of EDS. And what  
6 this turned out to be was a security wrapper, basically an  
7 encryption algorithm designed to protect the executables  
8 on the system from alteration or being copied or modified.

9           And that operation takes a little time to close  
10 out one application and open another. We were coming out  
11 of WinEDS, going into extended services very quickly. And  
12 when we did so, we would occasionally encounter this  
13 error. The error is fairly benign. It basically booted  
14 you out of the process and when you restarted the  
15 application it would load normally.

16           The other unexpected error was in the database  
17 manager snap-in on extended services. We found that we  
18 were unable to change the directory paths for data files  
19 back-up files and logs from within the application.  
20 Sequoia demonstrated a work-around where you could go into  
21 a configuration file and actually hard code those changes  
22 and paths in the configuration file.

23           That is pretty much it for functional testing  
24 issues.

25           In the Atsec report on source code review of the

1 system there are numerous findings. The time available of  
2 this hearing doesn't really allow reading of them. And as  
3 I said earlier, their report speaks very well for itself.

4 Atsec found that the security posture of the  
5 system was largely unchanged since the top-to-bottom  
6 review of 2007. Although, there had been significant  
7 improvements in the system security in different areas,  
8 there are still some significant errors present in  
9 software and design of the hardware.

10 I think everyone understands the concept of the  
11 weakest link in a chain is the strength of the chain.  
12 Sequoia and its Insight device and its 400-C has hardware  
13 there that has not changed since the top-to-bottom review.  
14 And despite some improvements in areas such as not sending  
15 passwords over the network in clear text and using a newer  
16 version SQL Server, the overall security exposure of the  
17 system is still fairly weak.

18 One new piece that they did a very nice job on is  
19 a new module and they're now using the AES encryption.  
20 And Atsec did a validation against NIST standards for that  
21 module and found that they had correctly implemented the  
22 AES encryption in the system. There are still other  
23 encryption and validation pieces that are not really  
24 correct in other parts of the system.

25 With regard to the main charges that Atsec had in

1 their contract with us and the Secretary, I would like to  
2 go through their conclusions from page 32 of their report.  
3 And this I think speaks well to the overall opinion.

4           With regard to determining whether the provided  
5 source code resolves specific security defects identified  
6 in the UC Berkeley report, the reviewers could verify that  
7 9 of the 47 previously recorded defects had been  
8 sufficiently resolved in the provided source code to  
9 mitigate the vulnerabilities. Code modifications for 2  
10 defects partially resolved the reported issues. Code  
11 modifications for 2 defects do not sufficiently mitigate  
12 the vulnerabilities they were intended to resolve. And  
13 resolution of some 10 issues could not be determined  
14 simply based on the review of the source code, but will  
15 need to be verified at some point by functional testing  
16 and penetration testing or other means.

17           Based on the code review, the reviewer found that  
18 approximately 24 of the 47 issues really have not been  
19 addressed by code modifications.

20           With regard to determining whether the provided  
21 source code resolved specific defects identified in the  
22 State of Washington testing, the reviewer found that a new  
23 mechanism that verifies successful completion of the  
24 initialized or 0 operation should prevent occurrence of  
25 the previously identified error.

1           With regard to the 2 new modules, WinEDS Extended  
2 Services and WinEDS Election Reporting, the reviewers  
3 found that the modules are susceptible to SQL injection  
4 attacks, via both the graphical user interface and  
5 malicious input files. It relies on user action to ensure  
6 data integrity rather than implementing a system  
7 safeguard. And it provides inadequate error handling.  
8 Exploitation of these weaknesses could result in data  
9 corruption and/or incomplete or false results.

10           With regard to evaluating the extent to which the  
11 system protects the integrity of ballot data and ballot  
12 images, this was a concern, because one of the new things  
13 that you have in ranked choice voting is these devices now  
14 have to store ballot images and run those ballot images  
15 through the ranked choice algorithm. So that was a new  
16 feature and a new area of concern.

17           The reviewers found that except for a simple  
18 redundancy check, there is no security on the data in the  
19 memory pack, program code or data, that could easily be  
20 manipulated by an attacker.

21           Overall the reviewers found that while progress  
22 has been made, the integrity of the election definitions  
23 and ballot information is not properly protected. Many  
24 attack scenarios center around the interception and  
25 modification of data. And there are simply no reliable

1 ways to detect those kinds of attacks.

2 And that is about it.

3 MODERATOR O'DONOGHUE: Thank you. Are there any  
4 questions from the panel?

5 Thank you very much.

6 Now, Sequoia will have an opportunity to provide  
7 any comments it would like to make on the reports. We  
8 have here today Mr. Ed Smith Vice President, Compliance,  
9 Quality and Certification. We've allotted 30 minutes for  
10 your presentation. You may begin.

11 MR. SMITH: Thank you very much. My comments  
12 won't take 30 minutes, unless I speak very, very slowly.  
13 Well, good afternoon to the panel and thank you for  
14 allowing us to come out here and provide a few remarks.

15 Before I start into some of the details, you  
16 know, we've all seen around the work place and whatnot the  
17 acronym for the word "Team", T-E-A-M, Together Everyone  
18 Achieves More. Clearly, this is a situation that we've  
19 seen with the certification group, OVSTA, the State's  
20 consultants and Sequoia.

21 You know to me this is really out here with the  
22 State of California a model regulatory relationship where  
23 the group here, you know, is tough. And it's tough all  
24 the way from the grammar in the sentences of your  
25 documentation -- and Ryan is smiling, so it must be the

1 truth -- out to the least little hiccup in your functional  
2 process and the process of running the mock elections  
3 through to the end through the testing. And it's a very  
4 tough process and certainly a nation-leading process.

5           But the nice thing about it is, and one of the  
6 real strengths of the process that the Secretary has put  
7 into place out here, is that you were able and are able  
8 through the certification process, and assuming the  
9 Secretary grants certification, to take care of a local  
10 statutory need. And we don't see that sort of regulatory  
11 flexibility in every other state. So once again, trusting  
12 my argument that the State of California has a  
13 nation-leading process.

14           Mr. Craft gave some remarks regarding the source  
15 code. And we are a bit disappointed in the source code,  
16 not only that it showed that we did not close up all of  
17 the gaps, but frankly with the process that's in place at  
18 a point where I believe the process could be improved, has  
19 to do with that source code review. One aspect of it is  
20 that we were on a somewhat limited time basis. And as a  
21 point of direct improvement to the process for performing  
22 these reviews with Atsec, there was no communication  
23 between Atsec and Sequoia's technical people. There were  
24 some requests for information that Sequoia satisfied.

25           But upon reading the report, our WinEDS

1 development team immediately came back with a handful of  
2 instances where basically we rebutted portions of the  
3 report. And as we go for the complete certification with  
4 DRE, after our federal qualification, we'd certainly like  
5 to continue to work with the State and with the State's  
6 consultants on that process. One thing that will work in  
7 everyone's favor is, I suspect at that time, Atsec will  
8 have additional time to review the code.

9           You know, with WinEDS itself even without these 2  
10 modules, you're talking 1.1 million lines of code. And  
11 it's very difficult to review that in the limited time  
12 that we had. But I think they did a nice job. The fact  
13 is there are such significant changes between 3.1012,  
14 currently certified in the State of California, and 4.0  
15 that is up for certification, that it's easy to miss where  
16 these new security mechanisms have been put into play.  
17 And so that's a point where I think we can improve the  
18 process.

19           That being said, we're honored to receive the  
20 staff recommendation for certification. Once again, we  
21 appreciate the panel's time and the Secretary's and our  
22 customers' time today to come out to this hearing. And we  
23 look forward to coming back to you once we've received  
24 full federal qualification with a full system.

25           Thank you.

1           MODERATOR O'DONOGHUE: Thank you. Are there any  
2 questions from the panel?

3           Thank you very much.

4           Now, we'll move on to the public comment portion  
5 of the hearing. And as I mentioned earlier, if you wish  
6 to speak during this period, you need to fill out a  
7 comment card. Right, as it stands right now, I have one  
8 comment card. And Ryan's going to check to see if we have  
9 any others.

10          The first person we have is Chuck O'Neil from  
11 Californians for Electoral Reform. And you'll have 3  
12 minutes.

13          MR. O'NEIL: Thank you. I'm Chuck O'Neil. I'm a  
14 board member of Californians for Electoral Reform. I'm  
15 their financial VP as well. Several of our more technical  
16 members have reviewed the documents that were available  
17 on-line, including Steve Chessin, Dave Kadlecsek and Steven  
18 Hill. And with conversations with them, they think that  
19 this system ought to be certified and so we're asking that  
20 it be certified statewide.

21          I'd like to say that the terminology is getting  
22 confused in most scholarly works. What San Francisco is  
23 calling choice voting would be considered instant runoff  
24 voting or IRV. And quite often people use the term  
25 "choice voting" or "ranked choice voting" to mean a

1 proportional representation system technically known as  
2 single transfer of a vote, so I might slip into those  
3 terms. When we're talking about San Francisco's  
4 terminology, we're really talking about an IRV system.

5           There are several counties who are waiting to use  
6 IRV. They have adopted their charters or elected  
7 ordinances subject to certifiable technical equipment.  
8 The 2 counties that have done this -- or the cities that  
9 are in the 2 counties that have done this are Santa Clara  
10 and Alameda County. They both currently use Sequoia  
11 systems. And so we would hope that the certification  
12 would allow them to move into that kind of voting.

13           There are other cities and counties in California  
14 who are in the process of either adopting IRV or an STV  
15 system. IRV includes Los Angeles, Long Beach, San Diego.  
16 I think there's some others. In Davis, where I'm more  
17 familiar with, the citizens voted by 55 percent an  
18 advisory measure asking that the council adopt or consider  
19 adopting what they're calling choice voting, which is an  
20 STV system.

21           So one last question, if I could. Some of the  
22 documentation talks about Sequoia reports or procedures.  
23 And we would like to get copies of those if that's  
24 possible.

25           MODERATOR O'DONOGHUE: The reports?

1 MR. O'NEIL: Yeah.

2 MODERATOR O'DONOGHUE: I believe they're on --

3 MR. O'NEIL: The Sequoia ones. They're not on  
4 the website.

5 MODERATOR O'DONOGHUE: Thank you for the request.

6 MR. O'NEIL: Okay. So we encourage you to  
7 certify the system.

8 MODERATOR O'DONOGHUE: Thank you.

9 MR. ARNTZ: Good afternoon. My name is John  
10 Arntz. I haven't filled out a card yet. I will do that  
11 before I leave. I'm the director of elections in San  
12 Francisco. And I just have a few comments and I can take  
13 any questions from the panel that you might have.

14 First of all, I just wanted to note again in the  
15 public record that these certification processes don't  
16 happen in a vacuum. I think that the Secretary of State's  
17 Office was incredibly flexible and accommodating to San  
18 Francisco, first of all, and next to the vendor. And, you  
19 know, here we are in September when this hearing is taking  
20 place. But a lot of activity and a lot of thought and a  
21 lot of concern actually went in to this process and the  
22 testing of the system. And I think that needs to be  
23 noted.

24 And on behalf of San Francisco, you know, we very  
25 much appreciate, again for the 4th year, that the

1 Secretary of State's Office has stepped forward to assist  
2 the County to hold ranked choice voting elections for the  
3 November election -- for the November contest.

4           Second, the point that I want to make is that in  
5 both the source code review and also in the Secretary of  
6 State's staff report, it mentions that there needs to be  
7 limits on personnel access to the system to reduce the --  
8 to increase the integrity -- and the insurance of the  
9 integrity of the data.

10           Both Sequoia and the Department in San Francisco  
11 will work to ensure that access is limited to the system  
12 as we move forward, so that the hardware and operational  
13 protections that the State has put forward previously for  
14 the system will be combined with personnel and  
15 accessibility protections as well.

16           So that's pretty much all that I want to say here  
17 in the time that I have. I can take any questions that  
18 the panel might have. And, again, I just want to thank  
19 the Secretary of State's Office and the people involved in  
20 this process, because for the 4th year in a row we've had  
21 to be at this point. And again the State has stepped  
22 forward to be, I think, most accommodating.

23           MODERATOR O'DONOGHUE: Thank you.

24           Okay. We've now completed our agenda. And I'd  
25 like to thank our panelists and our presenters here today,

1 as well as the people in the audience. And as I mentioned  
2 earlier, anybody who wishes to submit written testimony  
3 can do so today, can deliver a hard copy to the Secretary  
4 of State's Office or send an electronic version to  
5 votingsystems@sos.ca.gov.

6 The meeting is adjourned.

7 (Thereupon the Secretary of State's public  
8 hearing adjourned at 1:37 p.m.)

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1 CERTIFICATE OF REPORTER

2 I, JAMES F. PETERS, a Certified Shorthand  
3 Reporter of the State of California, and Registered  
4 Professional Reporter, do hereby certify:

5 That I am a disinterested person herein; that the  
6 foregoing Secretary of State's public hearing was reported  
7 in shorthand by me, James F. Peters, a Certified Shorthand  
8 Reporter of the State of California, and thereafter  
9 transcribed into typewriting.

10 I further certify that I am not of counsel or  
11 attorney for any of the parties to said hearing nor in any  
12 way interested in the outcome of said hearing.

13 IN WITNESS WHEREOF, I have hereunto set my hand  
14 this 29th day of September, 2008.

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22 JAMES F. PETERS, CSR, RPR

23 Certified Shorthand Reporter

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